J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN64

		Date(submitted)	2016.2.8
Group	KOTO	Beam line	KL
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Experimenters	Komatsubara,Lim,Nomura,Watanabe,Shiomi(KEK), Tajima(Yamagata) Sugiyama(Osaka), Nanjo, Seki, Nakagiri, Kamiji, Shinohara(Kyoto), Monica,Brian(Michigan),Yu-Chen (Chicago), Jay,Jack(NTU)		

Summary and Results

-Study of beam profile

-Beam profile was measured by a beam profile counter.

-Study of accidental activities

-Special data taking to evaluate accidental activities was done.

-Detector calibration

-Special data taking for detector calibrations were done periodically.

-Study of back ground events

-Special data taking to study neutron background events was done.

-Trigger tuning

-Further optimization for level 1 trigger were performed for more beam poewer.
Energy thresholds of veto detectors were adjusted in L1 trigger.

-DAQ upgrade

-Implement data compression algorithm in FADC firmware to reduce dead time of DAQ.

-Physics run

-Production of physics data started from the day time of 10/18

SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.

[Scheduled machine time]

From the night of 10/15 to the morning of 11/12

Allocated total user beam time was 431h

[Executed time]

Study of beam profile: 6h, Study of accidental activity:7.3h

Detector calibration:18.5h, Study of background events:22.1h

Trigger tuning:15.9h,Physics run:222.9h

[Down time]

Beam stop due to causes of facility-side:117h

DAQ stop due to troubles on our daq or detector: 21.3h

Comments/Requests